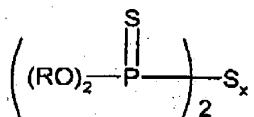


COMPLETE LISTING OF THE CLAIMS:

The listing of claims will replace all prior versions, and listing, of claims in the application.

1. (Previously Presented) Vulcanizable rubber mixes comprising:
 - a) rubbers,
 - b) O,O-bis-(alkyl)dithiophosphoric acid polysulfides corresponding to the formula



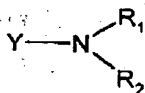
wherein

x represents 2, 3, 4 or 5 and

R represents a C₈-C₁₂-alkyl or -cycloalkyl radical

and

- c) primary and/or secondary amines corresponding to the formula



wherein

Y represents hydrogen or a mercaptobenzothiazole radical,

R₁ represents hydrogen, C₁-C₆-alkyl, C₅ or C₆-cycloalkyl C₇-C₁₂- aralkyl and

R₂ has the same meaning of R₁,

with the proviso that R₁ and R₂ do not simultaneously represent hydrogen,

wherein the components b) and c) are in a molar ratio from (0.5 to 1.5) : 1 and are present in a total amount of from 1 to 10 parts by wt. per 100 parts by wt. of rubbers in the rubber mixes, and

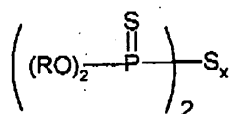
- d) 0.5 to 3.0 wt.-% sulfur, based on the rubber.

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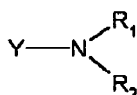
2. (Previously Presented) Rubber molded products comprising vulcanizable rubber mixes comprising:

- a) rubbers,
- b) O,O-bis-(alkyl)dithiophosphoric acid polysulfides corresponding to the formula



wherein

- x represents 2, 3, 4 or 5 and
- R represents a C₈-C₁₂-alkyl or -cycloalkyl radical
- c) primary and/or secondary amines corresponding to the formula



wherein

- Y represents hydrogen or a mercaptobenzothiazole radical,
- R₁ represents hydrogen, C₁-C₆-alkyl, C₆ or C₆-cycloalkyl, C₇-C₁₂-alkyl and

R₂ has the same meaning of R₁,

with the proviso that R₁ and R₂ do not simultaneously represent hydrogen,

wherein the components b) and c) are in a molar ratio from (0.5 to 1.5) : 1 and are present in a total amount of from 1 to 10 parts by wt. per 100 parts by wt. of rubbers in the rubber mixes, and

- d) 0.5 to 3.0 wt.-% sulfur, based on the rubber.

3. (Original) A rubber molded product according to Claim 2, wherein said rubber molded product is selected from the group consisting of tires, hoses, damping components, seals and profiles.

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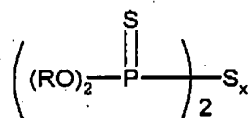
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4. (Previously Presented) A process for preparing vulcanizable rubber mixes according to claim 1 which may be vulcanized with a high crosslink density and a high proportion of short sulfur bridges, which process comprises mixing the rubbers a) with the components b), c) and d).

5. (Previously Presented) A process for increasing the crosslink density and the proportion of monosulfide sulfur bridges in the vulcanization of a rubber mix comprising

a) rubbers and d) 0.5 to 3.0 wt.-% sulfur, based on the rubber, by using a combination of

b) O,O-bis-(alkyl)dithiophosphoric acid polysulfides corresponding to the formula



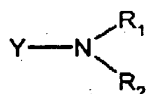
wherein

x represents 2, 3, 4 or 5 and

R represents a C₈-C₁₂-alkyl or -cycloalkyl radical

and

c) primary and/or secondary amines corresponding to the formula



wherein

Y represents hydrogen or a mercaptobenzothiazole radical,

R₁ represents hydrogen, C₁-C₆-alkyl, C₅ or C₆-cycloalkyl C₇-C₁₂- aralkyl and

R₂ has the same meaning of R₁,

with the proviso that R₁ and R₂ do not simultaneously represent hydrogen,

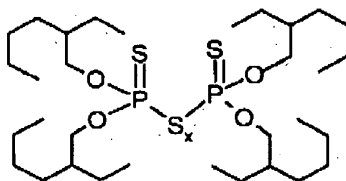
wherein the components b) and c) are in a molar ratio from (0.5 to 1.5) : 1 and are present in a total amount of from 1 to 10 parts by wt. per 100 parts by wt. of rubbers in the rubber mixes.

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6. (Previously Presented) Vulcanizable rubber mixes according to claim 1, wherein component c) is selected from the group consisting of cyclohexylamine, dicyclohexylamine, and N,N-dicyclohexyl-2-benzothiazole sulfenamide.

7. (Previously Presented) Vulcanizable rubber mixes according to claim 1, wherein component b) is a compound of the formula



wherein x is 2 – 5.